

# MATERIAL SAFETY DATA SHEET

## MSDS # 1222 – IKO AQUABARRIER PRIMER

**IMPORTANT:** Read this Material Safety Data Sheet before handling or disposing of this product. This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.

ABBREVIATIONS: NA=NOT APPLICABLE  
ND=NOT DETERMINED  
NE=NOT ESTABLISHED

HEALTH= 1  
FLAMMABILITY= 2  
REACTIVITY= 0  
PERSONAL

PROTECTION= +

WHMIS CLASSIFICATION: B, D-2

+ SEE SECTION VII

### SECTION I PRODUCT IDENTIFICATION AND USE

MATERIAL NAME/IDENTIFIER: IKO Aqua Barrier Primer for Peel and Stick Membranes

MANUFACTURER/SUPPLIER: IKO INDUSTRIES LTD

87 Orenda Rd.  
Brampton, Ontario  
L6W 1V7

PHONE: 1-905-457-2880 EXT. 3354

EMERGENCY: 1-613-996-6666 CANUTEC (24 hr. emergency information only)

CHEMICAL FAMILY: Mixture

CHEMICAL FORMULA/MOLECULAR WT: NA

TRADE NAME AND SYNONYMS: IKO Aqua Barrier Primer for Peel and Stick Membranes

MATERIAL USE: A fast dry primer for peel and stick membranes

P.I.N: UN 1133 Bitumen Based Primer/Adhesive

TDG: Class 3 PG II

### SECTION II HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS. No.	% WT/WT	LD 50s & LC 50s Route and Species	EXPOSURE LIMIT
Mineral Spirits	#8052-41-3	5-10	LC50 (inhl-rat) NA LD50 (oral-rat) NA	500 ppm TWA (OSHA PEL) 100 ppm TWA (ACGIH TLV)
Hexane	#110-54-3	10-30	LD50 (oral-rat) > 28710 mg/kg	50 ppm (ACGIH)
Toluene	#108-88-3	30-60	LD50 (dermal-rabbit) 12400 mg/kg LD50 (oral-rat) 636 mg/kg LC50 (inhl-rat) 8000 mg/m <sup>3</sup> (4 hrs)	300 ppm (ceiling) STEL (OSHA PEL) 50 ppm (skin) (ACGIH TLV) 200 ppm (skin) TWA (OSHA PEL) Immediate danger to life and Health (IDLH) 500 ppm
Acetone	#67-64-1	1-5	LD50 (oral-rat) > 5800 mg/kg	750 ppm (ACGIH)
Asphalt	#8052-42-4	10-30	LC50 (inhl-rat) NA LD50 (oral-rat) NA	0.5 mg/m <sup>3</sup> TWA (ACGIH TLV)
Mixture of Hydro mixture Treated and Hydro Cracked base oil		1-5	LD50 (dermal-rabbit) NA LD50 (oral-rat) NA	5 mg/m <sup>3</sup> (oil mist) TLD-TWA 8h 10 mg/m <sup>3</sup> (oil mist) STEL (ACGIH)

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### SECTION III PHYSICAL DATA

APPEARANCE, PHYSICAL STATE AND ODOR: Black liquid with strong solvent odour.

ODOUR THRESHOLD (PPM): ND

SPECIFIC GRAVITY/DENSITY (G/ML): 0.85

VAPOUR PRESSURE (MM): >120@20C (Hexane)

VAPOUR DENSITY (AIR=1): 2.8-3.1

EVAPORATION RATE (BUAC=1): 2-6

BOILING POINT: NA

MELTING/FREEZING POINT: NA

PH: NA

COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

SOLUBILITY IN WATER: Insoluble

% VOLATILE BY VOLUME: >60%

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### SECTION IV FIRE OR EXPLOSION DATA

FLASH POINT: >-18C

AUTO IGNITION TEMPERATURE: 254C

SENSITIVITY TO MECHANICAL IMPACT: ND

EXPLOSIVE POWER: ND

UPPER EXPLOSION LIMIT: 7.0% by vol.

LOWER EXPLOSION LIMIT: 0.8% by vol.

SENSITIVITY TO STATIC DISCHARGE: ND

EXTINGUISHING MEDIA: Foam, carbon dioxide, and dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES:

Exposure to vapours or products of combustion should be avoided. Self-contained breathing apparatus is recommended. Vapours may form an explosive mixture with air. Closed containers may rupture when exposed to extreme heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapours may ignite explosively. Vapours may spread long distances. Prevent build-up of vapours. Extinguish all pilot lights and turn off heaters, non-explosion-proof electrical equipment and all other sources of ignition. Keep away from and do not store or use near heat, sparks or flames caused by such sources as electricity, static discharge, welding, grinding or flame cutting operation. Ground all equipment. Use spark-proof tools and conductive shoes to avoid sparking hazard.

FLAMMABILITY: YES

UNDER WHAT CONDITIONS: Class B, Div. 2

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### SECTION V REACTIVITY DATA

STABILITY - MATERIAL IS: Stable

CONDITIONS TO AVOID: Sources of ignition, Vapour concentrations

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur

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### SECTION VI TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF ENTRY:

Inhalation - Skin – Ingestion

EFFECTS OF OVEREXPOSURE, CHRONIC:

Prolonged/repeated skin contact may cause dermatitis. Vapours may cause respiratory tract irritation.

EFFECTS OF OVEREXPOSURE, ACUTE:

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Skin: Prolonged/repeated contact may cause irritation. Eyes: May cause slight irritation. Inhalation: Excessive breathing of high vapour concentration may cause headache, dizziness, and nausea. Ingestion: Nausea, vomiting, headache and dizziness.

INGESTION: Swallowing can cause nausea, vomiting diarrhoea and loss of consciousness.

INHALATION: Excessive exposure to vapours or spray mists can result in headache, dizziness, loss of coordination and loss of consciousness. Irritation of the eyes, nose, throat and lungs can also occur when exposed to high vapour concentrations. Some reports have associated repeated and prolonged occupational overexposure to solvents with permanent nervous system damage. Toluene IDLH = 500 ppm

EYE CONTACT: This material can cause eye irritation. The effects are usually reversible.

SKIN CONTACT: This material may cause defatting and irritation of skin (Dermatitis) upon prolonged exposure.

### **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Pre-existing lung and skin disorders.

CARCINOGENICITY: NO

LD50 OF PRODUCT: ND

IRRITANT?: NO

SYNERGISTIC MATERIALS: NA

REPRODUCTIVE EFFECTS: NO

WHMIS CLASSIFICATION: D2, B

LC50 OF PRODUCT: ND

SENSITIZER?: NO

TERATOGENIC: NO

MUTAGENIC: NO

**WARNING: This product may contain oxidized bitumens. The International Agency for Research on Cancer (the "IARC") published a monograph in 2013 which concluded that "occupational exposure to oxidized bitumens and their emissions during roofing operations are probably carcinogenic to humans." The IARC found that there is "limited evidence" in humans for the carcinogenicity of occupational exposures to bitumens and bitumen emissions during roofing and mastic-asphalt work. The IARC also found that there is "sufficient evidence" in experimental animals for carcinogenicity of fume condensates generated from oxidized bitumen. All other evidence of cancer in humans and experimental animals was judged "inadequate" or "limited." The physical nature of this product may help limit any inhalation hazard from oxidized asphalt during application in its hardened state. However, physical forces such as grinding, drilling and other demolition work on this product may liberate dust containing oxidized asphalt. Burning or heating of the product may cause fumes, vapors or mists.**

### **SECTION VII PREVENTIVE MEASURES, SAFE HANDLING AND USE, REGULATORY INFORMATION**

#### **LEAK AND SPILL PROCEDURES:**

Restrict access to area. Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as vermiculite or sand and place material into a closed container. If a large spill, dike area to prevent this material from entering water systems or sewers. Wear protective equipment during cleanup.

#### **WASTE DISPOSAL METHOD:**

Dispose of according to Federal, State and Local regulations.

#### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Keep away from sources of ignition. Store in cool, dry area. Keep container closed when not in use. Use with adequate ventilation. Avoid prolonged/repeated skin contact.

#### **OTHER:**

Keep out of the reach of children!

#### **VENTILATION:**

As necessary to maintain exposure below TLV level.

#### **RESPIRATORY PROTECTION:**

An organic vapour cartridge respiratory mask shall be worn to prevent the inhalation of vapours or spray mist when exposure guideline is exceeded. If respiratory protection is required, institute a complete respiratory protection program.

#### **PROTECTIVE GLOVES:**

Chemical resistant gloves made of Viton should be used. Gloves made of nitrile, neoprene or rubber may be used for exposure of short duration.

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### **EYE PROTECTION:**

Chemical safety goggles should be worn to prevent eye contact. A face shield may also be necessary.

### **OTHER PROTECTIVE EQUIPMENT:**

Solvent resistant apron and boots if contact likely.

### **WORK/HYGIENIC PRACTICES:**

Remove contaminated clothing, launder before reuse.

DOT PROPER SHIPPING NAME: Adhesive/primer containing flammable liquid

DOT HAZARD CLASS: UN1133

TDG HAZARD CLASS 3 PG 11

VOLATILE ORGANIC COMPOUNDS (VOC): <530 g/L max.

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### **SECTION VIII FIRST AID MEASURES**

#### **EMERGENCY AND FIRST AID PROCEDURES:**

INHALATION: Remove victim to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

SPLASH (EYES): Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.

SPLASH (SKIN): Wash affected areas with soap and water. Remove contaminated clothing.

INGESTION: Drink 1 or 2 glasses of water to dilute. **DO NOT INDUCE VOMITING.** Consult a physician or Poison Control center immediately. Treat symptomatically.

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### **SECTION IX Special Precautions INFORMATION**

STORAGE: Keep storage area separate from populated work areas. Store in a cool, dry, well-ventilated area, out of direct sunlight and away from incompatible materials and any source of ignition. Ventilation fans and electrical equipment should be non-sparking.

HANDLING: Avoid prolonged or repeated inhalation of vapours or spray mist. Avoid prolonged or repeated skin contact. Ground and bond Equipment and container to prevent a static charge build-up.

ATTENTION: Emptied containers may retain hazardous residue and explosive vapours. Keep away from heat, sparks and flames. Do not cut

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Prepared by: HSE Department

Date: August 3, 2015

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with the Company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.